

We claim:

1. A colorless and low-emission plastic, comprising at least one zeolite of structural type ZSM-5, which has a maximum adsorption capacity for water at 25°C and 4.6 torr of 10 wt% with respect to the weight of the zeolite.

5        2. The plastic as in Claim 1, wherein the zeolite added to the plastic has a molar Si/Al ratio of at least 15.

3. The plastic as in Claim 1, wherein the zeolite added to the plastic has a molar Si/Al ratio of from 50-500.

10      4. The plastic as in Claim 1, wherein the zeolite fraction in the ready-to-use plastic is 0.01-10 wt%, with respect to the weight of the plastic that is used.

5        5. The plastic as in Claim 2, wherein the zeolite fraction in the ready-to-use plastic is 0.01-10 wt%, with respect to the weight of the plastic that is used.

15      6. The plastic as in Claim 1, wherein the zeolite fraction in the ready-to-use plastic is 0.01-2 wt%, with respect to the weight of the plastic that is used.

1        7. The plastic as in Claim 2, wherein the zeolite fraction in the ready-to-use plastic is 0.01-2 wt%, with respect to the weight of the plastic that is used.

8. The plastic as in Claim 3, wherein the zeolite fraction in the ready-to-use plastic is 0.01-2 wt%, with respect to the weight of the plastic that is used.

20      9. The plastic as in Claim 4, wherein the zeolite fraction in the ready-to-use plastic is 0.01-2 wt%, with respect to the weight of the plastic that is used.

10. The plastic as in Claim 1, wherein zeolite has an average particle size of less than 15 µm.

11. The plastic as in Claim 1, wherein zeolite has an average particle size of between 0.5 and 12 µm.

25      12. The plastic as in Claim 1, wherein the polymer is a member selected from the group consisting of polyvinyl chloride, polyethylene terephthalate, polystyrene, acrylonitrile butadiene styrene (ABS), polyester, polyamides, HDPE, polypropylene, especially oriented polypropylene (OPP), polyethylene and a mixture thereof with at least one other polymer material.

13. A packaging material for foods and/or drugs, formed of the plastic of Claim 1.

30      14. A structural part or decorative object for the interior of a motor vehicles, which is wholly or partially of the plastic as in Claim 1.

15. A textile fiber, which is formed wholly or partially of the plastic of Claim 1.
16. A textile fiber product which is formed wholly or partially of the plastic as in Claim 1.
17. A masterbatch for production of plastic, comprising a plastic containing at least one zeolite of structural type ZSM-5, which has a maximum adsorption capacity for water at 25°C and 4.6 torr of 10 wt%, with respect to the weight of the zeolite, and this zeolite is contained in a fraction of a maximum of 50 wt% with respect to the weight of the ready-to-use masterbatch.